

# Durham Soil and Water Conservation District

### And

# Natural Resources Conservation Service

Joint Annual Plan of Work July 1, 2010 – June 30, 2011

### **MAJOR OBJECTIVES**

- I. Carry out effective Durham County Conservation Programs
- II. To install and demonstrate Stream Restoration Projects
- III. Maintain NC Agriculture Cost Share Program
- IV. Maintain the Community Conservation Assistance program (CCAP)
- V. Maintain a strong Environmental Education Program
- VI. Support the Federal Farm Bill
- VII. Enhance District Image
- VIII. Seek new funding sources for District activities
- IX. Support the implementation of a comprehensive Farmland Protection Ordinance
- X. Work closely with Durham City, County and State Government in the implementation of a strong water quality improvement program
- XI. To assist with implementing State Regulations pertaining to the Upper Neuse River Basin & Jordan Lake Basins
- XII. Carry out effective EEO Program

### ASSOCIATING AGENCIES

### I. City of Durham

- a. Storm Water Services
- b. Environmental Resources

#### County of Durham

a. General Services

Durham Parks and Recreation
Durham Public School System
NC Big Sweep
NC Stream Watch
One NC Naturally
NC Division of Soil & Water Conservation
Wildlife Resources Commission
Durham County Government

### II. City of Durham

- a. Storm Water Services
- b. Environmental Resources

### **Durham County Government**

a. General Services

**Durham Correctional Center** 

NRCS

Clean Management Trust Fund

**EPA** 

NC Water Resources

#### III. Division of Soil and Water Conservation

NC Department of Environment and Natural Resources (NCDERN)

Division of Water Quality

**Durham County Government** 

Farm Service Agency

Natural Resource Conservation Service

NC Department of Ag and Consumer Services (NCDA)

NC Cooperative Extension Service

NC Association of Soil and Water Conservation Districts

NC Forestry Service

### IV. Durham County Government

Durham Parks and Recreation

Durham Public School System

NC Division of Soil & Water Conservation

Durham County Government/ Health Department

**Durham CES** 

City of Durham

#### V. NC Division of Soil and Water Conservation

NC Department of Environment and Natural Resources (NCDERN)

NC Division of Water Quality

**Durham City Government** 

**Durham County Government** 

Durham Parks and Recreation

Durham Public School System

US Environmental Protection Agency

Natural Resource Conservation Service, USDA

NE Central Community Youth Groups

North Carolina State University

- a. Biological and Agricultural Engineering
- b. NCSU Cooperative Extension Service

NC Office of Environmental Education

NC Association of Soil and Water Conservation Districts

NC Forestry Service

National Association of Conservation Districts

#### VI. United States Department of Agriculture

- a. Farm Service Agency
- b. Natural Resources Conservation Service
- c. Wildlife Resources Commission

NC Division of Soil and Water Conservation

NC Department of Environment and Natural Resources (NCDERN)

### VII. Herald Sun, News & Observer, WTVD channel 11, WRAL channel 5/Fox 50, Channel 17, etc

#### VIII. Agricultural Advisory Service

NC Division of Soil and Water Conservation

NC Department of Environment and Natural Resources (NCDERN)

Durham City Environmental Resources Department

a. Water Treatment

### **Durham City Engineering Department**

a. Stormwater Management

Durham Parks and Recreation Environmental Protection Agency

- a. Air Quality
- b. Water Quality

**Durham County Government** 

NC Forest Service

NC Wildlife Resource Commission

- a. Fish Biologist
- b. Enforcement
- IX. Durham County Tax Office

Farmland Advisory Board

**Durham County Government** 

NC Department of Ag and Consumer Services (NCDA)

NC Cooperative Extension Service

X. Durham County Stormwater

**Durham City Public Works** 

a. Stormwater Management

Durham County/City Environmental Affairs Board

Eno River Association

New Hope Creek Corridor Committee

Environmental Engineering

Upper Neuse River Basin Association

Durham City Environmental Resources Department

a. Water treatment

**Durham County Government** 

XI. Division of Water Quality

**Durham County Government** 

XI. Carry out effective EEO Program

**Durham County Government** 

# OBJECTIVE I – CARRY OUT EFFECTIVE DURHAM COUNTY CONSERVATION PROGRAMS

### Goal 1 - Perform Community Conservation Activities

1)	ACTION Partner with City to coordinate city/county-wide Adopt-a-Stream Program	WHO Staff Full Board	WHEN All Year
2)	Coordinate Rain Barrel sale for water saving benefits to county and city citizens.	Staff Full Board	All Year
3)	Coordinate composting bin sale to county and city citizens.	Staff Full Board	All Year
4)	Engage public/private schools, community groups, local businesses, and interested individuals in community conservation activities	Full Board Staff	All Year
4)	Publicize accomplishments	Staff	All Year

### Goal 2 – Sponsor Countywide Big Sweep Stream Cleanup

	<u>ACTION</u>	<u>WHO</u>	WHEN
1)	Attend Big Sweep Orientation Meeting	Staff	As Scheduled
2)	Coordinate County's Big Sweep efforts	Staff	August -Oct
3)	Seek sponsors from area businesses	Full Board Staff	All Year
4)	Conduct countywide stream cleanups	Staff Volunteers	October
5)	Publicize results	Staff	All Year

### <u>Goal 3</u> – Assist urban landowners with natural resource concerns

	ACTION	<u>WHO</u>	WHEN
1)	Conduct drainage and erosion inventory and evaluation As requested	Staff	All Year
2)	Provide technical assistance as needed	Staff	All Year

### <u>Goal 4</u> – Support development of Central Park

	ACTION	<u>WHO</u>	<b>WHEN</b>
1)	Actively participate in City and County initiatives concerning Central Park	Staff	All Year
2)	Provide technical assistance for the development Of the park	Staff	As requested

### Goal 5 – Maintain the Beaver Management Program

	ACTION	<u>WHO</u>	<b>WHEN</b>
1)	Review ranking system and cost share rates	Staff	August
2)	Promote program to citizens through means of website, newsletter, media, etc.	Staff	All Year
3)	Solicit additional funding for managing additional sites	Full Board	March

# OBJECTIVE II – TO INSTALL AND DEMONSTRATE STREAM RESTORATION PROJECTS

### Goal 1 – Seek Additional Stream Restoration Projects

	ACTION	<u>WHO</u>	<b>WHEN</b>
1)	Solicit partnerships in stream restoration projects	Full Board Staff	All Year
2)	Select sites for possible restoration	Full Board Staff	All Year
3)	Conduct Tours	Full Board Staff	All Year
4)	Promote to Media	Full Board Staff	All Year
Goal	<u>2</u> – Seek Grant Funding for Additional Projects		
	ACTION	<u>WHO</u>	<b>WHEN</b>
1)	Seek a cooperative relationship with Grant funding Agencies	Staff	All Year
2)	Apply for area, local, State and Federal grant monies for rehabilitation of streams in the Neuse and Cape Fear River Basin	Full Board	All Year
Goal	3 – Become educated on the latest technology		
	ACTION	<u>WHO</u>	WHEN
1)	Attend various training on stream restoration techniques	Staff	All Year
	Attend various training on stream restoration teeninques	Starr	1111 1001

## OBJECTIVE III- MAINTAIN NORTH CAROLINA AGRICULTURE COST SHARE PROGRAM

### Goal 1 - Update Cost Share Strategy Plan for addressing BMP concerns

	ACTION	<u>WHO</u>	<u>WHEN</u>
1)	Meet with agricultural agency heads to gather data for the plan	Staff	May
2)	Update the plan showing estimated funding needs, acres treated and water quality priority areas	Staff	May

### <u>Goal 2</u> – Implement Program by assisting landowners with the installation of conservation practices

	ACTION	<u>WHO</u>	<b>WHEN</b>
1)	Prioritize water quality problems within the District	Full Board	All Year
2)	Continue to contact landowners to encourage participation in Cost Share Program	Full Board Staff	All Year
3)	Conduct Annual 5% Spot Check to ensure practices Meet standards	Minimum one Board Member	May/June
4)	Plan design and install needed BMPs through NCACSP to meet yearly goals	Staff	All Year

### Goal 3 - Maintain State and County funding for districts Cost Share Programs

	ACTION	<u>WHO</u>	<b>WHEN</b>
1)	Lobby Durham Legislative delegation for continued support of Cost Share Program	Full Board	December February
2)	Lobby State Soil and Water Conservation Commission for increased allocation of Cost Share monies to Durham County	Full Board	August January March June

3)	Lobby County Commissioners for increased funding	Full I
	of the Districts Resource Conservation Programs	

Full Board All Year

### Goal 4 – Participate in Area IV Ag Cost Share Committee

1)	Actively attend Committee Meetings	Layton	as Scheduled
		Staff	

### Goal 5 - Increase Public Awareness of the NCACSP

1)	Design and distribute promotional brochures and pamphlets.	Staff	All Year

2) Publish and distribute CCAP projects through newsletters.

Staff

Bi-annual

# OBJECTIVE IV –MAINTAIN THE COMMUNITY CONSERVATION ASSISTANCE PROGRAM (CCAP)

### Goal 1 - Update Cost Share Strategy Plan for addressing BMP concern

	ACTION	<u>WHO</u>	<b>WHEN</b>
1)	Meet with stakeholders to gather data for the Strategy Plan.	Staff Full Board	May
2)	Update the strategy plan showing estimated funding needs and BMP Practices needed.	Staff Full Board	May

### <u>Goal 2</u> – Reduce the delivery of residential, suburban and urban non-point source pollution into the watercourses of the state.

	ACTION	<u>WHO</u>	<u>WHEN</u>
1)	Develop a ranking system that addresses water quality problems within the County.	Full Board	All Year

2)	Continue to contact landowners to encourage participation in CCAP Program	Full Board Staff	All Year
3)	Conduct Annual 25% Spot Check to ensure practices meet standards	Full Board Staff	May/June
4)	Plan, design and install needed CCAP BMPs to meet yearly goals	Staff	All Year

### Goal 3 – Maintain State and County funding for CCAP Program

	ACTION	<b>WHO</b>	WHEN
1)	Lobby Durham Legislative delegation for increased funding and support of CCAP Program.	Full Board	All Year
2)	Lobby State Soil and Water Conservation Commission For increased allocation of Cost Share monies to Durham County	Full Board	All Year
3)	Lobby County Commissioners for increased funding for CCAP position.	Full Board	All Year

### Goal 4 – Increase Public Awareness of CCAP Program

	<u>ACTION</u>	<u>WHO</u>	<b>WHEN</b>
1)	Contact newspapers through press releases related to CCAP Projects	Staff	All Year
2)	Design and distribute promotional brochures and pamphlets.	Staff	All Year
3)	Publish and distribute CCAP projects through newsletters.	Staff	Bi-annual

### OBJECTIVE V – MAINTAIN A STRONG ENVIRONMENTAL EDUCATION PROGRAM

### Goal 1 – Increase Public Awareness of District Activities

	ACTION	<b>WHO</b>	<b>WHEN</b>
1)	Contact newspapers through press releases related to District activities	Staff	All Year
2)	Design and distribute promotional brochures and pamphlets	Staff	All Year
3)	Publish and distribute newsletter	Staff	Bi-annual
4)	Maintain Conservation Awards Program	Full Board Staff	May

<u>Goal 2</u> – Provide Educational Resources to public and private, primary and secondary schools and area Universities and colleges, as well as local groups, clubs and organizations

	ACTION	<b>WHO</b>	WHEN
1)	To provide teachers and instructors with classroom presentations	Staff	All Year
2)	Design and distribute a newsletter for teachers	Staff	Summer

### Goal 3- Sponsor Environmental Field Days

	ACTION	<u>WHO</u>	<b>WHEN</b>
1)	Work with various County, City and State Depts to coordinate the Environmental Field Days	Staff	All Year
2)	Contact public and private schools to establish interest and participation	Staff	All Year
3)	Make necessary arrangements regarding date, time, location, subject matter, etc.	Staff	All Year
4)	Hold event and publicize its success	Full Board Staff	Fall

### Goal 4 - Sponsor Pond Workshop

	ACTION	<b>WHO</b>	<b>WHEN</b>
1)	Make necessary arrangements; date, time & location.	Staff	March
2)	Hold event and publicize its success	Staff	June

### Goal 5 - Sponsor Teacher's Workshop

	ACTION	<u>WHO</u>	<b>WHEN</b>
1)	Make necessary arrangements re: date, time, location, and subject matter regarding program	Staff	July
2)	Hold event and publicize its success	Full Board Staff	As Scheduled

Goal 6 – Promote Soil and Water Stewardship Week, Clean Water Week, National Wildlife Week, Poster and Essay Contests, Public Speaking Contest, Earth Day Celebration, and Conservation Activities

	ACTION	<u>who</u>	<b>WHEN</b>
1)	Solicit participation for the above conservation events	Staff	All Year
2)	Conduct annual completion of the above conservation Program events	Staff	All Year
3)	Publicize the above conservation events through media	Staff	All Year

## OBJECTIVE VI – SUPPORT THE FEDERAL FARM BILL

<u>Goal 1</u> – Educate Landowners and Interagency partnerships on Total Resources Management Concepts and Program Guidelines for development of local EQIP resource needs and objectives

	ACTION	<u>WHO</u>	<u>WHEN</u>
1)	Provide information and education through - newsletter, website, and other forms of media	Staff	All Year
2)	Remain active in local work group to discuss various concerns	Full Board	As needed
3)	Maintain a close relationship with FSA, Forest Service, Wildlife Resources Commission, CES, and other partners, in an effort to coordinate assistance to farmers	Staff	All Year
4)	Support and participate in basin-wide priority area efforts	Full Board Staff	All Year

### <u>Goal 2</u> – Implement USDA Programs to provide Cost Share for Resource Management Systems (RMS)

	ACTION	<u>WHO</u>	WHEN
1)	Provide technical assistance to landowners in developing total resource conservation plans as needed	Staff	All Year
2)	Review eligibility of EQIP applications.	DC	As Needed

### <u>Goal 3</u> – Continue to promote and implement The Conservation Reserve Program (CRP)

	<u>ACTION</u>	WHO .	<b>WHEN</b>
1)	Make landowners aware of upcoming sign up periods through one district newsletter and one newspaper article.	Staff	All Year
2)	Promote the continuous CRP to assist two landowners in installing 500 feet of riparian buffer	Staff	All Year

Process applications, complete plans, and write contracts Staff All Year Within 1 month of receiving applications as required

<u>Goal 4</u> – Promote and Implement the Conservation Reserve Enhancement Program (CREP)

	ACTION	<u>WHO</u>	<b>WHEN</b>
1)	Promote CREP through two news articles and other Local media.	Staff	All Year
2)	Visit four interested landowners to discuss application options.	Staff	All Year
3)	Assist landowners and FSA with application process.	Staff	All Year
4)	Complete plans within 1 month of approval by FSA.	Staff	All Year

<u>Goal 5</u> – Actively Participate in the Piedmont Conservation & Development Council (RC&D)

	ACTION	<u>WHO</u>	<b>WHEN</b>
1)	Solicit County for qualified committee members	Layton Staff	All Year
2)	Educate citizens and Public Officials on RC&D projects	Layton Staff	All Year
3)	Solicit two projects for RC&D funding within the County	Staff	All Year
4)	Work with RC&D Coordinator in securing grants for RC&D Projects	Staff	All Year
5)	Attend and actively participate in Council meetings	Layton Director	All Year

### OBJECTIVE VII – ENHANCE DISTRICT IMAGE

### Goal 1 – Press Relations

	ACTION	<u>WHO</u>	WHEN
1)	Solicit a good working relationship with the local media	Full Board Staff	All Year

### <u>Goal 2</u> – Promote District Programs through in-house media outlets

	ACTION	<u>WHO</u>	<b>WHEN</b>
1)	Create and distribute newsletter as needed	Full Board Staff	Bi-annual
2)	Maintain web site	Staff	All Year
3)	Staff booths at civic events	Full Board Staff	All Year
4)	Maintain awards program by recognizing worthy contestants	Full Board Staff	May

## OBJECTIVE VIII- SEEK FUNDING SOURCES FOR DISTRICT ACTIVITIES

### <u>Goal 1</u> – To seek funding for District activities

	ACTION	<u>WHO</u>	<b>WHEN</b>
1)	Solicit scholarship assistance to send additional Students to Resource Conservation Workshop	Full Board Staff	All Year
2)	Solicit contributions and in-kind assistance for certificates banners and educational brochures	Full Board Staff	All Year
3)	Solicit contributions and grant funding for video production, newsletters and outreach materials	Full Board Staff	All Year

4)	Solicit contributions and grant funding for Environmental Education materials	Full Board Staff	All Year
5)	Maintain wildflower, bird boxes, rain barrel and composting bin sales.	Staff	All Year
6)	Solicit endowments for environmental awards	Full Board	All Year

<u>Goal 2</u> – Seek financial assistance, in addition to county funding for district operations

	<u>ACTION</u>	<b>WHO</b>	<b>WHEN</b>
1)	Solicit contracts with other units of government to carry out conservation education and district activities	Full Board	All Year
2)	Seek government grants to implement conservation programs and district activities	Full Board	All Year
3)	Solicit endowment for perpetual funding of district operations	Eurquhart Full Board	All Year
Goal 1)	3 – Enhance Associates Memberships Program Solicit businesses, educational institutes, and others to become associate members	Full Board	All Year

# OBJECTIVE IX – SUPPORT THE IMPLEMENTATION OF A COMPREHENSIVE FARMLAND PROTECTION ORDINANCE

### <u>Goal 1</u> – Develop Broad-Based Support for Farmland Protection

	<u>ACTION</u>	<u>WHO</u>	<b>WHEN</b>
1)	Revise existing Durham County Farmland Protection Ordinance	Spann Staff	Fall
2)	Actively participate in the Durham Farmland Protection Program	Spann Layton Staff	All Year As Practical

3)	Solicit landowners and submit applications to programs such as USDA, Farmland & Ranchland Protection Program, NCDA, Agricultural Development & Preservation Program and the Natural Heritage Trust Fund.	Staff	All Year
4)	Work closely with a variety of community groups to gain support for protecting farmland	Full Board	All Year
5)	Develop and implement farm conservation plans	Staff	All Year
6)	Lobby appropriate officials for adequate funding in the purchasing of easements	Full Board	All Year
7)	Provide information relating to preparing proposals for the Farm and Ranchland Protection Program	Staff	All Year
8)	Attend meetings as scheduled	Spann Layton Staff	As Scheduled As Practical
9)	Provide staff support to the Farmland Advisory Board	Staff	All Year
10)	Implement Countywide Farmland Protection Plan	Staff	All Year

### Goal 2 – Implement County Farmland Plan

	ACTION	<u>WHO</u>	<b>WHEN</b>
1)	Create a data base of existing and potential new farmers	Staff	All Year
2)	Identify and assist farmers with transition	Staff	All Year
3)	Seek 2 grants that supports the goal and objectives of Durham County's Countywide Farmland Preservation Plan	Staff	Fall/Spring
4)	Provide technical expertise to assist organizations with the creation/expansion of agriculture plans	Staff	All Year
5)	Seek 1 grant to assist Jordan High School FFA and provide assistance in fund raising activities	Staff	All Year
6)	Mentor youth seeking a career in agriculture and find farmers willing to assist with individual SAEP's	Staff	All Year

	ACTION	<b>WHO</b>	<b>WHEN</b>
1)	Review with County attorney and Tax and Planning Departments local land use ordinances that adversely impact agricultural stability	Spann	All Year
2)	Encourage local legislators to enact a Transfer of Development Rights Program for Durham County	Spann	All Year
3)	Encourage local legislators to repeal tax laws that adversely affect agricultural lands	Spann	All Year

# OBJECTIVE X – WORK CLOSELY WITH DURHAM CITY, COUNTY, AND STATE GOVERNMENT IN THE IMPLEMENTATION OF A STRONG WATER QUALITY IMPROVEMENT PROGRAM

<u>Goal 1</u> – Reduce the impact of Agriculture and Urban Development on Durham County's natural resource base

	<u>ACTION</u>	<u>WHO</u>	<b>WHEN</b>
1)	Target areas around reservoirs and streams for participation in Federal and State Cost Share Program	Full Board Staff	All Year
2)	Promote cooperative relationships with Upper Neuse Basin Association, Environmental Affairs Board (EAB), New Hope Creek Corridor Committee, Eno River Association, Ellerbe Creek Watershed Association and other associations	Rosenthal Adams	All Year

### Goal 2 – Encourage maintenance of strong water quality regulations

1)	Continue to lobby Commissioners and Council Members to maintain strong water quality regulations including forest land	Full Board	All Year
2)	Educate public on the importance of a strong ordinance through a public relations campaign	Full Board	All Year
3)	Create a sense of conservation awareness among commercial, industrial and residential developers	Full Board Staff	All Year
4)	Provide technical assistance to developers within Water Supply Watersheds	Staff	All Year
5)	Participate in Durham County/City Environmental Affairs Board in examining water quality and proposed ordinances	Rosenthal Staff	All Year
6)	Work with Local and State Officials in monitoring BMPs on major road construction projects and their Impact on water quality	Full Board	All Year

### Goal 3 – Assist the County Environmental Engineering Staff in effective installation of Sediment and Erosion Control Plans

	ACTION	<u>WHO</u>	<u>WHEN</u>
1)	Continue to review and comment on S& E plans submitted by developers	Full Board Staff	All Year
2)	Visit sites to better understand the installation process and to stay up-to-date on the developers adherence to S&E plans	Full Board	All Year
3)	Encourage proper installation of S&E practices By supporting training sessions for developers	Full Board Staff	All Year

# OBJECTIVE XI – TO ASSIST WITH IMPLEMENTING STATE REGULATIONS PERTAINING TO THE NEUSE RIVER & JORDAN LAKE BASINS

### <u>Goal 1</u> – Continue to support the work of various committees

	ACTION	<u>WHO</u>	WHEN
1)	Attend scheduled meetings	Staff	As Scheduled
2)	Work with Watershed Conservationist to develop Annual Report	Staff	As Scheduled
3)	Utilize the Nitrogen Loss Evaluation Worksheet	Staff	All Year
Goal	2 – Educate Landusers and owners		
	ACTION	<u>WHO</u>	WHEN
1)	Visit urban and rural landusers and owners to discuss Neuse River, Falls and Jordan Lake rules	Staff	All Year
2)	Produce and distribute broadcast educational informational materials on the Neuse River, Falls and Jordan Lake rules	Staff	All Year
3)	Assist UNRB with implementation of the Upper Neuse Watershed Management Plan	Adams	All Year
Goal	<u>3</u> – Assist Landusers and Owners with compliance		
	ACTION	<u>WHO</u>	WHEN
1)	Work with landusers and owners in developing Conservation Plans to ensure compliance with Falls and Jordan Lake Watershed rules	Staff	All Year
2)	Install riparian buffers and associated BMPs as needed to reach reductions required	Staff	All Year
3)	Conduct spot checks to ensure compliance	Staff	All Year
4)	Maintain current Nitrogen reduction percentages	Staff	All Year
5)	Collect and report baseline data for Jordan Lake Watershed	Staff	All Year

## OBJECTIVE XII – CARRY OUT EFFECTIVE EEO PROGRAM

### Goal 1 - Increase Minority Awareness of NRCS and District Activities

	ACTION	<b>WHO</b>	<b>WHEN</b>
1)	Staff will ensure services are provided on an equal opportunity basis	Staff	All Year
2)	Work with limited resource farmers and minority  Landusers to ensure understanding of Food Security  Act and continued implementation of their plans.  a. Ensure EEO statement is included in all public information  b. Review parity reports monthly to ensure equal opportunity  c. Review demographic data annually to ensure accuracy  d. Attend EEO training as provided		All Year
3)	Install practices with cost share funds on minority farms	Staff	All Year
4)	Recruit minorities as potential Employees and volunteers	Staff	All Year
5)	Comply with Federal, State, County EEO, and Civil Rights policies	Staff	All Year

### Adapted this Plan of Work for Fiscal Year 2011

Chairman

Vice Chairman

Secretary/Treasurer

Supervisor

Supervisor